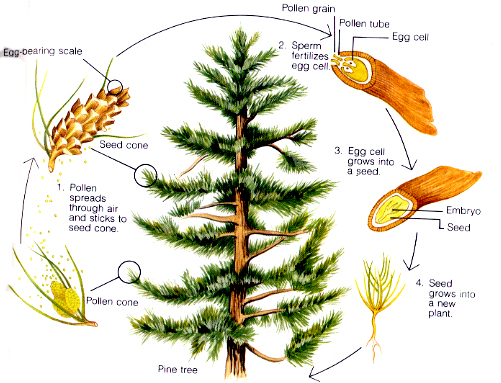
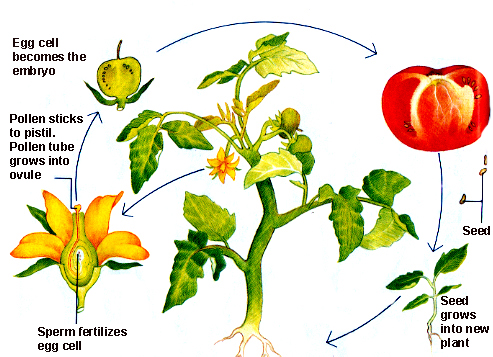
**Flowering Plants and Conifers**

|  |  |  |
| --- | --- | --- |
| **Similarities** | **Identifying Characteristics (Same)** | **Differences** |
| * Flowering plants are primary producers * Flowering plants are able to convert solar energy into chemical energy through the process of photosynthesis | * Conifers and flowering plants are both vascular plants * They both have defined structures to carry water and nutrients throughout their structures * Both plant types also reproduce by the production of seeds but the way they go about it is decidedly different | * Conifers have cones * Flowering plants are angiosperms * Conifers are gymnosperms * Angiosperm's seeds are found in a flower. * Angiosperm eggs are fertilized and develop into a seed in an ovary that is usually in a flower * The flowers of angiosperms have male or female reproductive organs * Conifers have seeds on their cones * Gymnosperm seeds are not completely covered by the parent plant when they are formed * Flowering plants seeds are protected inside a fruit * The flower grows to attract pollinators and house the ovule with eggs inside. It also holds the sperm that will be released as pollen. |

**Life Cycle of a Conifer Life Cycle of a Flowering Plant**



*How to identify important features of a flowering plant.* Retrieved from: <http://www.biologie.uni-hamburg.de/b-online/e02/02.htm>

Exploring Nature Educational Resource (2012). *The Plant Kingdom.* Retrieved from: <http://www.exploringnature.org/db/detail.php?dbID=26&detID=596>